AUTHORS: Yelpat'yevskiy, A. N. and Konovalov, B. A. (Moscow) SOV/24-58-8-19/37

The Application of a Variational Method to Calculations for Conical Shells (Primeneniye odnogo variatsionnogo metoda k raschetu konicheskikh obolochek)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh

ABSTRACT: The method is applicable to shells of small apex angle. The standard shell is assumed to have constant thickness. The work is based on the variational method which V. Z. Vlasov developed for prismatic shells. Equations are obtained from which it is possible to improve the solution obtained by assuming plane cross-sections. By representing the longitudinal and transverse displacements in the form of several terms in which the first terms correspond to the hypothesis of plane cross-sections, a solution can be obtained which more accurately describes the stressed and deformed state of the type of shell Card 1/2

APPROVED FOR RELLAS

KONOVALOV, B. A., Candidate Tech Sci (diss) -- "The computation of conic membranes on the basis of V. Z. Vlasov's variation method". Moscow, 1959. 11

pp (Min Higher Educ USSR, Moscow Order of Lenin Aviation Inst im S. Ordzhonikidze),
150 copies (KL, No 24, 1959, 137)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824320017-4"

25827

S/535/60/000/130/002/00? E081/E335

24,4200

Konovalov, B.A., Candidate of Technical Sciences

AUTHOR: TITLE:

Calculation of Conical Shells by the Variational

Method of V.Z. Vlasov

PERIODICAL: Moscow. Aviatsionnyy institut. Trudy. No. 130,

1960. Prochnot' aviatsionnykh konstruktsiy.

pp.19 - 56

TEXT: The object of the paper is to obtain equations for calculations of weakly conical shells of constant thickness, allowing for warping of the cross-section both in bending and torsion and, on the basis of these equations, to show the possibility of establishing accurate solutions for shells similar to aircraft wings. As a theoretical basis the author applied the general variational method of reducing complicated two-dimensional contact problems of the theory of plates and shells to the unidimensional one expanded by Professor V.Z. Vlasov. The material of the article is subdivided into three sections. In the first section a system of differential equations is Card 1/6

25827 S/535/60/000/130/002/007 Calculation of Conical Shells ... E081/E335

derived for calculating slighly conical shells of equal thickness, taking into consideration the strain along the contour (using the moment theory). These equations represent a direct generalisation of equations derived in earlier work of the author and A.N. Yelpat'yevskiy (Ref. 4 - Izv. AN SSSR, OTN, No. 8, 1958). On the basis of the results given in the first section, accurate solutions are derived in the second and third sections for the cases of bending and torsion of a "singly-closed" conical shell assuming that the contour cannot be deformed. The equations given in the first section are very general and from these, sufficiently accurate solutions can be derived for a wide range of problems. The degree of accuracy of the solution will depend, to a considerable extent, on the number of approximating functions used. Particular attention is paid to investigating the stress and strain states of a slighly conical shell, taking into consideration the warping of the cross-sections during bending by shear stresses. Such a formulation of the problem is fully justified since, Card 2/6

Calculation of Conical Shells .. E081/E335

stresses, the results of which are in good agreement. The solution for bending and torsion of straight-line conical shells can be applied to the calculation of arrow-shaped conical shells; in this case, part of the boundary conditions have to be written for a cross-section along an oblique edge (Ref. 8). In principle, there is no difficulty in taking into consideration the elasticity of the clamping. The proposed method of calculation for bending and torsion can also be extended to multiply closed conical shells. The conical shell is shown in the figure and the problem is formulated in terms of a longitudinal coordinate z and a contour coordinate S . Vlasov's method consists of expressing the longitudinal and transverse displacements as power series in the coordinate S . The general equations appropriate to the method are stated and applied to the bending and torsion of the shell. In the case of bending, the warping of the section is represented as a linear and a quadratic function and the normal and shear stresses in the Card 4/6

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Calculation of Conical Shells .. E081/E335

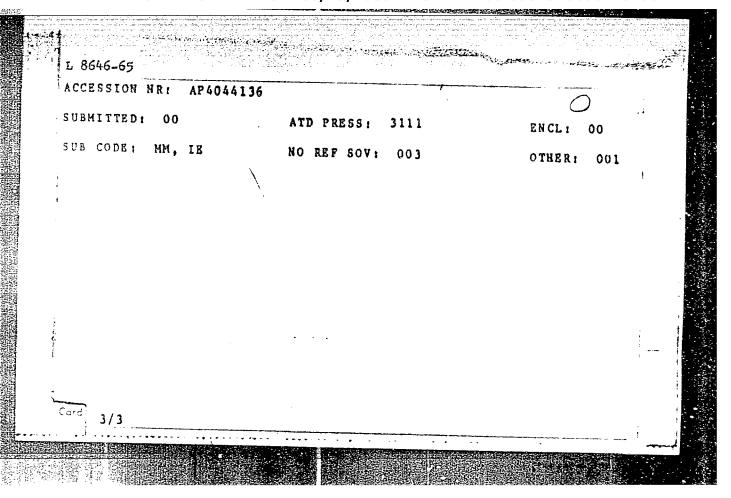
shell are obtained for both functions. The normal and shear stresses are also obtained for torsion of the shell. The calculated normal stresses in this case agree with those previously obtained by L.I. Balabukh and B.P. Tsibulya. Acknowledgments are expressed to A.N. Yelpat'yevskiy (Institut mekhaniki AN SSSR (Institute of Mechanics of the AS USSR)) for useful advice and recommendations. There are 8 figures, 6 tables and 13 Soviet references.

Measurement of the magnitude of stresses by imprints. Vest.mashinostr. 43 no.4:60-61 Ap 163. (Strains and stresses—Measurements)

إمر	ACCESSION NR: AP4044136 S/0129/64/000/008/0029/0033
-	AUTHOR: Gorelik, S. S.; Spektor, Ya. I.; Spektor, E. N.; Konovalov,
	TITLE: Inhomogeneity of the structure of steel tubes after thermo-
7	SOURCE: Hetallovedeniye i termicheskaya obrabotka metallov, no. 8, 1964, 29-33
	TOPIC TAGS: martensitic low alloy steel, 40KhSNA steel, steel thermomethenical treatment, treated steel structure, structure inhomogeneity, steel property
ę.	ABSTRACT: A study has been made of the structural changes along the cross section of high-strength tubes made of low-alloy 40KhSNA martensitic steel after low-temperature thermomechanical treatment (ntmo). The ntmo consisted of a 70% deformation in two-pass transverse Ball-transverse rolling produces a transverse Ball-transverse rolling produces a transverse ball-transverse rolling produces.
1	transverse rolling produces sharply varying degrees of deformation and structural change along the tube cross section. The outer metal

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SOV/123-59-16-64023

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Mr 16, p 62 (USSR)

AUFHORS:

يسعت إزينته

Venkov, B.V., Konovalov, B.P.

TITLES.

The Experience in Spring Manufacture

PERIODICAL: Prom.-ekon. byul. Sovnarkhoz Permak. ekon. adm. r-na, 1958, Nr 6, 7-10

ABSTRACT:

Some particulars about the manufacture of large springs by hot twisting of round and square gage material of silicon steel of 6032A, 7033A, 6582VA grades, of a diameter up to 45 mm or a cross section up to 20 x 160 mm, are reported....It is recommended to heat the rods before twisting them in furnaces of direct electrocontact heating. Examples are quoted of the edgewise twisting of springs with a square cross section of 4.3 x 6.1 x 25.5 mm from rods of 8,500 mm length, and also edgewise twisting of strips of 4 x 100 mm into spirals for the manufacture of worms. The design of the worm-twisting machine is briefly described, as well as the method of milling the face sides (supporting sides) of the springs with a milling head of 200 mm in diameter with 11 inserted cutters,

Card 1/2

strengthened with hard alloy plates VK-15, the method of bending under

KONOVALOV, B.S.; LAPITSKIY, V.I.; YEM, A.P.; KHITRIK, S.I.

Use of exothermic three-component ferroalloys as addition elements in 14KhGS steel. Izv. vys. ucheb. zav.; chern. met. 4 no.12:45-49 61. (MIRA 15:1)

1. Dnepropetrovskiy metallurgicheskiy institut. (Steel alloys--Metallurgy) (Iron alloys)

BADYSHTOVA, K.M.; CHESNOKOV A.A.; IVANKINA, E.B.; ZHADANOVSKIY, N.B.; KONYUKHOVA, M.V. Prinimali uchastiye: KONOVALOV, B.S., inzh.; NAUMOVA, A.P., inzh.; PYATILETOVA, N.I., inzh.; SMIRNOVA, S.M., inzh.; CHIBRIKOVA, L.I., laborant; EUGROVSKAYA M.S., laborant.

Effect of the nature of raw stock on the stability of transformer oil. Nefteper. i neftekhim. no.11:15-17 '64 (MIRA 18:2)

1. Gosudarstvennyy nauchno-isaledovatel skiy institut neftyanoy promyshlennosti , Kuybyshev i Novokuybyshevskiy zavod.

KONOVALOV B.T.

Application of hydrogeochemical methods of prospecting by the sum of metals in the conditions of Sadon Unal area Mountain Osetiya. Izv. vys. ucheb. zav.; tsvet. met. 7 no.5:10-15 '64 (MIRA 18:1)

1. Severokavkazskiy gornometallurgicheskiy institut. Kafedra poleznykh iskopayemykh i poiskovo-razvedochnogo dela.

KRYAZHEV, G.S.; OL'KHOVSKIY, G.P.; KONOVALOV, B.T.

Regularities in the distribution of mineralization in the Buron ore field. Izv. vys. ucheb. zav.; tsvet. met. 4 no.5: 15-23 '61. (MIRA 14:10)

1. Severokavinazskiy gornometallurgicheskiy institut, kafedra
poleznykh iskopayanykh i poiskovo-razvedochnogo dela.
(Buron region-Ore deposits)
(Geology, Structural)

KONOVALOV, B.V. (Ul'yanovek)

A vicious circle. Zdorov'e 2 no.6:19 Je '56. (MIRA 9:8)

(HYGIREE)

FILIPPOV, G.A., inzh.; KONOVALOV, B.Ya., inzh.; KOSAREV, S.B., inzh.

Effect of the voltage fluctuation factor on the electrical strength of transformer oil. Izv.vys.ucheb.zav.; energ. 8 no.12:21-24 D'65. (MIRA 19:1)

1. Ivanovskiy energeticheskiy institut imeni V.I.Lenina. Submitted November 26, 1964.

₩ L 04453-67

ACC NR: AP6014146 (A) SOURCE CODE: UR/0143/65/000/012/0021/0024

AUTHOR: Filippov. G. A. (Engineer); Konovalov. B. Ya. (Engineer);

ORG: Ivanovo Power-Engineering Institute (Ivanovskiy energeticheskiy institut) TITLE: Effect of voltage ripple ratio on electric strength of transformer oil

SOURCE: IVUZ. Energetika, no. 12, 1965, 21-24

TOPIC TAGS: transformer oil, power rectifier, voltage ripple ratio

ABSTRACT: The results of an experimental study of the electric strength of transformer oil are reported. Dry transformer oil was humidified or contaminated and its breakdown strength was determined. The dissolved (not emulsified) water caused a very considerable reduction of the electric strength: from 70-80 kv down to about 30 kv for moisture content from 0 to 0.007%. The reduction of the electric

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UDC: 621.315.615.2.015.5

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L 04453-67

ACC NR: AP6014146

strength at ac is somewhat less than at dc or ripple voltages. For any constant moisture content, the coefficient k increases with the ripple ratio; $k = U_r/U_{ac}$, where U_r and U_{ac} are the maximum breakdown ripple and a-c voltage, respectively. Also, curves of breakdown voltage vs. ripple ratio for various contaminations of the transformer oil with cellulose fiber are shown. The maximum reduction of the oil electric strength at ripple voltage, as compared to that at ac, was noticed at zero ripple ratio. Orig. art. has: 5 figures and 3 formulas.

SUB CODE: 09 / SUBM DATE: 26Nov64 / ORIG REF: 004 / OTH REF: 002

Card 2/2 egh

L 14175-66 EWT(1)/FCC GW

ACC NR: AT6004159

SOURCE CODE: UR/2531/65/000/167/0161/0167

AUTHOR: Konovalov, D. A.

Main Geophysical Observatory, Leningrad (Glavnaya geofizicheskaya observatori ORG: ya)

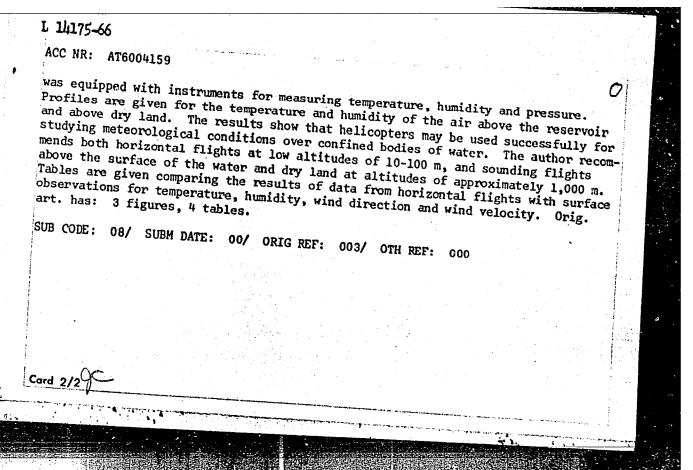
TITLE: Some characteristics of transformation of the air flow above the Tsimlyan-

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 1, 1965. Fizika pogranichnogo sloya atmosfery (Physics of the boundary layer of the atmos-

TOPIC TAGS: wind direction, wind velocity, atmospheric temperature, atmospheric hu-

ABSTRACT: The author analyzes the results of experimental meteorological observations made from a helicopter above the Tsimlyanskiy Reservoir in the spring of 1963. The effect of transformation is clearest in this period since there is a maximum difference between the surface temperatures of water and dry land. The helicopter

Card 1/2



VASILENKO, V.P., kand.ekon. nauk; PODOPLELOV, V.P., kand. ekon. nauk; KONOVALOV. D.A., naucan. sotr.; KANEV, G.V., aspirant; KARNAUKHOVA, Ye.S., doktor ekoh. nauk, otv.red.; BELOV, V.K., red.

[Potentialities for reducing costs in the agriculture of the Komi A.S.S.R.] Rezervy sokrashcheniia zatrat v sel-skom khozialstve Komi ASSR. Meskva, Nauka, 1965. 178 p.

[MIRA 18:10]

1. Akademiya nauk SSSR. Komi filial, Syktyvkar.

Methodology and some results of studying the zones of increased turbulence on the Kutaisi-Shovi route. Trudy GGO no.171:91-95 '65. 1. Glavnaya geofizicheskaya observatoriya im. A.I. Voyeykova, Leningrad.

Kotikov, A.P., inzh.; Zorin, M.I., inzh.-meliorator; Dashkovskava, L.T., rybovod; GUDYM, L.M.; KONOVALOV, D.N., rybovod; Kotikov, A.P., inzh.; Rozhkov, N., red.; Prikhod'ko, S., red.; Oleynikov, A., red.; Zlobin, M., tekhn. red.

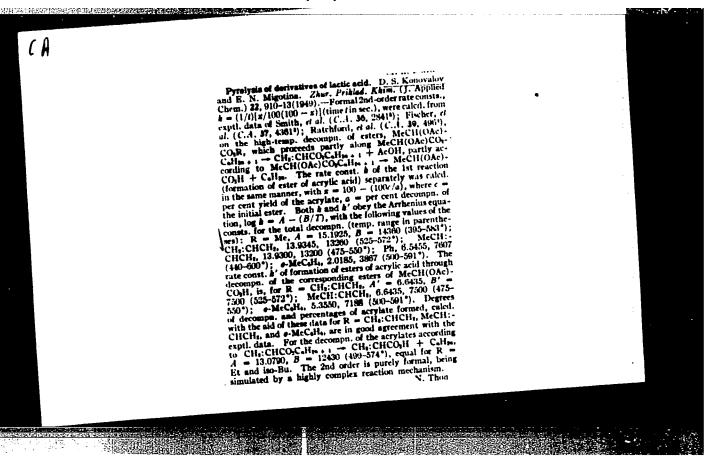
[Fishery resources of Kazakhstan; a manual for fishermen] Rybnye bogatstva Kazakhstana; spravochnik rybaka. Alma-Ata, Kazgosizdat, 1963. 262 p. (MIRA 17:2)

1. Glavnyy spetsialist otdela pishchevoy promyshlennosti Gosudarstvennogo Komiteta Soveta Ministrov Kazakhskoy SSR po koordinatsii nauchnykh i tekhnicheskikh rabot (for Gudym).

ROGOVOY, M.I., insh., laureat Stalinskoy premii; KONOVALOV, D.O., insh.

Selecting designs of kins providing a fully automatic heat treatment of ceramic bricks. Stroi.mat. 5 no.9:13-16 S '59. (NIRA 12:12)

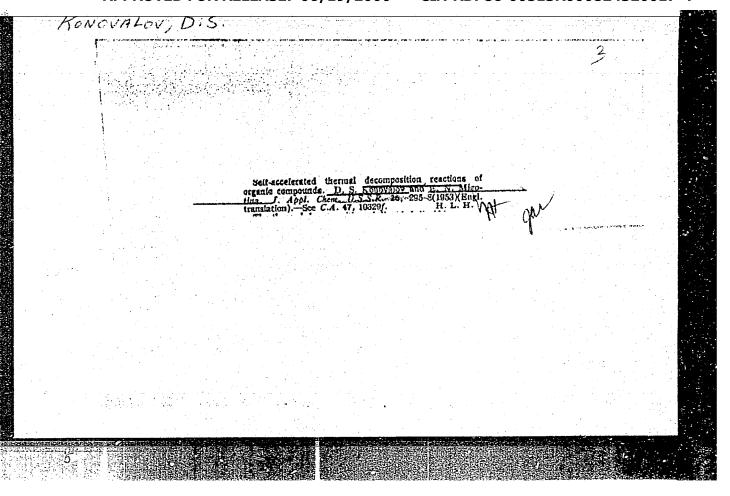
(Kilns)



"Slowed-Down Reactions of Thermal Decomposition of Organic Compounds,"

J. App. Chem. (USSR) 25 (3), 291-5 (1953) English Translation.

Evaluation B-85325, 14 Jun 55



KONOVALOV, D.S.; MIGOTINA, Ye.E.

Slowed-down thermal decomposition reactions of organic compounds. Priklad.
Khim. 26, 328-31 '53.

(GA 47 no.20:10329 '53)

KONOVALOV, D. S.; MIGOTINA, Ye. N.

Chemical Reaction - Mechanism

Autocatalytic reactions of thermal decomposition of organic compounds. Zhur. prikl. khim. 26, No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, _______1953, Uncl.

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S/080/60/033/009/006/021 A003/A001

5.4700

Konovalov, D.S., Migotina, Ye.N.

21 ,1

TITLE:

AUTHORS:

The Thermal Decomposition of Antimony and Germanium Hydrides

PERIODICAL: Zhurnal prikladnoy khimii, 1960, Vol. 33, No. 9, pp. 1995-2001

Recently the possibility of developing a single theory of chemical kinetics is considered based on the theory of heterogeneous-homogeneous catalysis both for the case of gaseous reactions which were regarded until now as homogeneous reactions and also for conditions of usual catalysis (Ref. 1). In this connection the reaction of thermal decomposition of hydrides, especially of antimony and germanium, is of great interest, because it is accompanied by the formation of a solid phase. The analysis of the experimental data led to the conclusion that the thermal decomposition mentioned must be regarded as an autocatalytic reaction, the acceleration of which takes place at the expense of an excess of chemical energy of the atoms and radicals formed during the process of chemosorption. The change of the monomolecular constant K of the reaction rate with the temperature T, the pressure P and the decomposition depth x has a

Card 1/2

MESHKOVA, N.D.; MIGOTINA, Ye.N.; KONOVALOV, D.S.

Dissociation energy of the carbon-halogen as dependent on the molecular volume. Zhur. fiz. khim. 38 no.9:2251-2252 S '64.

(MIRA 17:12)

KONOVALOV, E. V., Cand Biol Sci (diss) -- "The problem of the nervous regulation of antibody (agglutinin) formation". Perm', 1958. 8 pp (Acad Med Sci USSR, Perm' Sci Res Inst of Vaccines and Sera of the Min Health USSR), 200 copies (KL, No 15, 1960, 133)

USSR/Medicine/Pharmacology

FD-2954

Card 1/1

Pub. 17-18/23

Author

: Konovalov, E. V.

Title

: Influence of anesthesia at the locus of primary application of antigen on the formation of antibodies (agglutinins)

Periodical

: Byul. eksp. biol. i med. 7, 62-63, July 1955

Abstract

Author investigated the difference in antibody formation upon application of antigens to the desensitized and to the normal knee joint of rabbits. He used both novocaine and "anestezin" 15 to 20 minutes before injection of warm dysentery monovaccine. The agglutinin titer was examined beginning with the 4th to 5th day after immunization. Author observed inhibition of the antibody formation in all his experiments. In the controls the titer was twice that of the experimental animals. Author believes that this inhibition results from a "switching on" of an early neuro-reflex mechanism in the regulation of the antibody development; that even a momentary "switching on" of the initial step of this mechanism inhibits the processes of immunity. 8 references, 8 USSR, 8 since 1940, Graph.

Institution

: Experimental Laboratory, Molotov Scientific-Research Institute of

Vaccines and Sera (Dir: A. P. Kobyl'skiy)

Submitted

: 20 Oct 1954

removalov, E. FA12T16

USSR/Piston Rings Engines - Parts

Apr 1947

"Use of ZIS-5 Piston Rings in Studebaker Motors,"

E. Konovalov, 2 p

"Avtomobil'" Vol XXV, No 4

Sketch and instructions for making subject replacement.

12716

L 46329-66 ENT(m)/ENP(t)/ETI ACC NR: AP6019766	TJP(c) JD SOURCE CODE: UR/0370/66/000/003/0084/0089	
AUTHOR: Konovalov, E. Ye. (Obn (Obninsk); Kondrat yeva, L. I.	insk); Peyzulayev, Sh. I. (Obninsk); Larionova, I. Ye. (Obninsk); Pinchuk, G. P. (Obninsk)	
ORG: none TITLE: Determination of equilibrium of sequilibrium	brium distribution coefficients of impurities in Metally, no. 3, 1966, 84-89	
TOPIC TAGS: bismuth, metal zon Crystallization ABSTRACT: In order to calculate it is necessary to have the value the impurities (k ₀). These coefficients k are known from rates (f) but under the same coefficients determined the value of involving zone melting processes	the melting, distribution coefficient, we'al the process of zone melting with optimum parameters, the process of zone melting with optimum parameters, the of equilibrium coefficients of distribution of efficients can be calculated by the method of Burton, the process of zone melting with optimum parameters, the of equilibrium coefficients of the process of zone melting with optimum parameters, the p	- -
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Card 2/2		

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28(5) AUTHORS:

Konovalov, E. Ye., Matyukhin, V. V., SOV,

SOV/32-25-10-48/63

Yemel'yanov, V. P., Karabash, A. G.

TITLE:

A Conductometric Signaler for Oxygen in Gases

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 10, pp 1260-1262

(USSR)

ABSTRACT:

A device was constructed (E. Ye. Konovalov, Ye. A. Kochetkova, V. M. Morozov, V. D. Kolesnikov, V. M. Andreyev,
A. G. Karabash - Patent Mo 1113837), which is intended to be used for the continuous control of the oxygen content in noble gases. It makes it possible to determine the moment at which the oxygen absorber becomes saturated and prevents pollution of the system with oxygen-containing gas. The transmitter of the device (Fig 1) is a porcelain tube filled with coppered silica gel. A porcelain rod is introduced into the tube round which a chrome nickel coil with resistivity of 500 Ohm is wound. The tube itself is in a steel casing. The working piece of the transmitter is heated by means of an electric furnace to 300 to 350°. The gas to be controlled flows through the porcelain tube by way of the "coppered" silica gel. If the gas contains oxygen, the latter oxidizes the copper, thus

Card 1/2

L 35903-66 EWT(m)/T/EWP(t)/ETI/EWP(k) IJF(c) JD ACC NR: AP6007351 SOURCE CODE: UR/0126/66/021/002/0228/0234 AUTHORS: Peyzulayev, Sh. I.; Konovalov, E. Ye.; Uznadze, O. P.; Zuyeva, ORG: none TITLE: Methods for the determination of the effective distribution coefficient of additives during alloy crystallization. 2. Zone melting 4 SOURCE: Fizika motallov i metallovedeniye, v. 21, no. 2, 1966, 228-234 TOPIC TAGS: zone melting, metal zone melting, bismith alloy, DISTRIBUTION COEFFICIENT, PHASE. TRANSITION ABSTRACT: Two method: for the determination of the effective distribution coefficient of additives during zone melting of alloys are presented. This paper supplements the results of an earlier publication by Sh. I. Peyzulayev, E. Ye. Konovalov, and L. I. Kondrat'yeva (FEI, 1965, 19, 707). The first method consists in determining the distribution coefficient from the position of the transition point. The position of the transition point x1 after n transitions was calculated after I. Braun and S. Marshall (Brit. J. appl. Phys., 1957, δ, 157). $C_n(x) = C_n(r)e^{-k(x-r)} + ke^{-kx} \int_{1+r}^{1+x} C_{n-1}(t)e^{k(t-1)} dt$ $\text{for } 0 \le x < (N-t);$ $C_n(x) = (N-x)^{k-1} C_n(N-1)$ при $(N-1) < x < N_p$ Card 1/3

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L 35903-66

ACC NR: AP6007351

where r is the distance to the initial zone point m and N is the length of the ingot, both in units of the zone length. A graph for the estimation of errors in k (the distribution coefficient) is presented. It is concluded that as the number of zone passages n increases the position of the transition point tends to the limiting position of V. Dzh. Pfann (Zonnaya plavka, M., Metallurgizdat, 1960). The second method, which is called the integral method, is based on the determination of the coefficient of impurities concentration K_T after Sh. I. Peyzulayev and E. Ye. Konovalov (Zhurnal analit. khimii, 1963, 18, 1155)

$$K_{\perp} = 1 - \frac{1}{NC_0} \int_0^{N-\epsilon} C_1(x) dx = \frac{\epsilon}{N} + \frac{1-k}{kN} [1 - \epsilon^{-k(N-\epsilon)}].$$

and

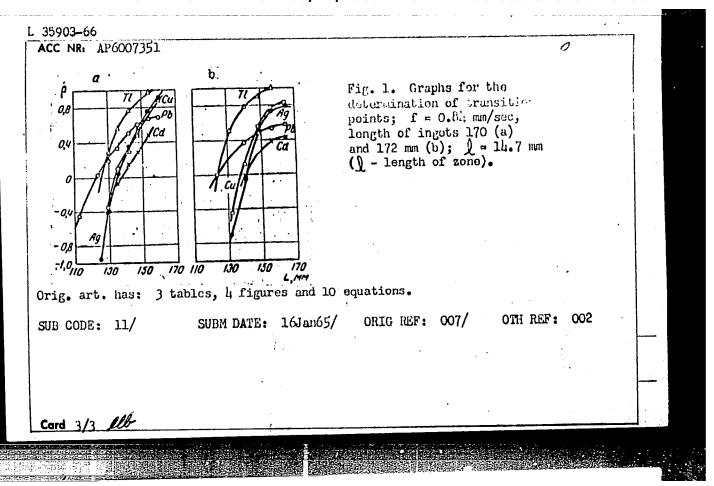
$$\frac{1}{h} = 1 + \frac{(N-e)\left[1 - \left(\frac{\overline{C}_p}{\overline{C}_1}\right)^{1/(p-1)}\right]}{1 - e^{-h(N-e)}}$$

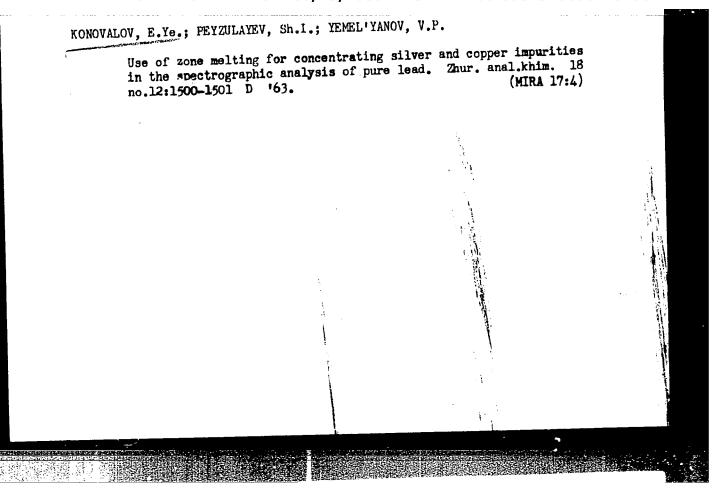
The methods were tested on the distribution of Ag, Pb, Cu, Tl, and Cd in Bi during zone melting. A schematic of the zone refining apparatus is presented. The experimental results are presented in graphs and tables (see Fig. 1).

Card 2/3

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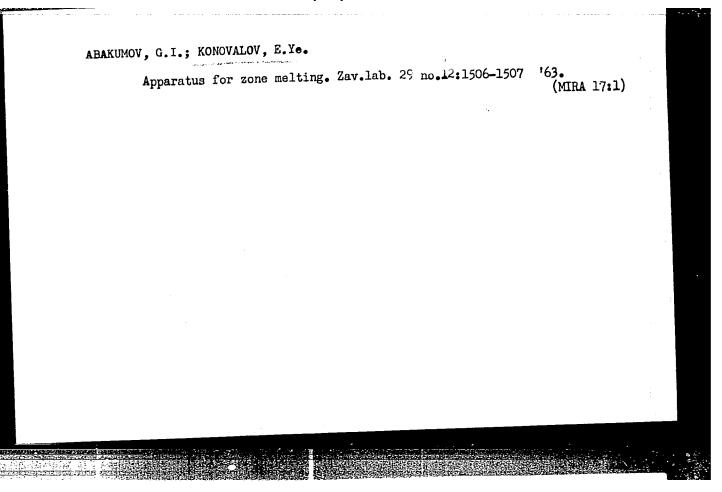




KONOVALOV, E.Ye.; PEYZULAYEV, Sh.I.; PINCHUK, G.P.; LARIONOVA, I.Ye.;
KONDRAT'YEVA, L.I.

Use of zonal fusion for concentrating impurities in spectral analysis of pure bismuth. Zhur. anal. khim. 18 no.5:624-633 My'63.

(MIRA 17:2)

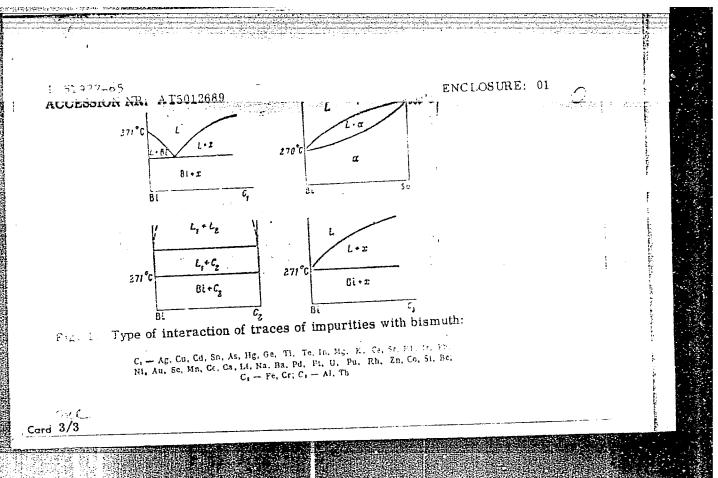


PEYZULAYEV, Sh.I.; KONOVALOV, E.Ye.

Some problems involved in using zone melting for the preparation of analytical concentrates. Zhur.anal.khim. 18 no.10:1155-1160 0 163. (MIRA 16:12)

EWT(m)/EWP(t)/EWP(b) IJP(c) L 51977-65 EWT(m)/EWP(ACCESSION NR: AT5012689 UR/2513/65/015/000/0375/0391 AUTHOR: Konovalov, E. Ye.; Peyzulayev, Sh.I. TITLE: Use of zone melting in the preparation of analytical concentrates SOURCE: AN SSSR. Komissiya po analiticheskoy khimii. Trudy, v. 15, 1965. Metody kontsentrirovaniya veskchestv v analiticheskov khimii (Methods of concentrating sta stances in analytical chemistry), 375-391 TAGS: zone melting, analytical concentrate, bismuth analysis, metal phase dial num ABSTRACT: On the basis of reported data and using the concentration of impurities in bismuth metal as an example, the authors classify the impurity elements present and see ath according to their behavior in zone melting. For this purpose, they , and the four types of phase diagrams covering the interaction of bismuth with shown in Fig. 1 of the Enclosure. Analysis shows that the overwhelming majority of the impurity elements should have distribution coefficients less or much nity, this being a prerequisite for achieving the concentration of impurities the seemelting of bismuth. Secondary processes occurring at the series of zone morting, such as selective evaporation of the impurities and their execution, are also Card 1/3

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19 July 2013 1988	ক্ষেত্র সূত্র প্রতি এই ক্ষেত্র ক্ষেত্র করে। বিশ্ববিদ্যালয় সূত্র ক্ষেত্র ক্ষেত্র করে।	gentuseta a tradición de la composition della co		nte distribui	(40 49 <u>18</u> 0) 10 9 10 9 10 9
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VOROB'YEV, V.F., general-leytenant, dotsent, kand.voyennykh nauk; LIPITSKIY, S.V., polkovnik, kand.istor.nauk; KUZ'MIN, N.F., polkovnik, kand.istor.nauk; MURIYEV, D.Z., polkovnik, kand.voyennykh
nauk; KONOVALOV, F.P., general-mayor, kand.voyennykh nauk; GNEDOY,
I.L., polkovnik, kand. voyennykh nauk; ARUTYUNOV, A.S., polkovnik;
VNOTCHENKO, L.N., polkovnik, kand.voyennykh nauk; SHEKHOVTSOV,
H.I., polkovnik, kand.voyennykh nauk; MINYALO, S.N., kand.voyen.nauk,
polkovnik; YELISEYENKO, D.Kh., podpolkovnik, red.; ZUBAKOV, V.Ye.,

[Battle history of the Soviet Armed Forces] Boevoi put' Sovetskikh Voorushennykh Sil. Moskva, Voen.izd-vo M-va obor.SSSR, 1960. 570 p.

[__Atlas of battle maps] __Al'bom skhem. (MIRA 13:4)

1. Moscow. Voyennaya akademiya imeni M.V.Frunze. 2. Kafedra istorii voyennogo iskusstva Voyennoy akademii imeni M.V.Frunze (for all, except Zubskov, Sokolova).

(Russia--Army)

ILYUSHIN, S.V.; IPATOVA, S.I.; KONOVALOV, F.S.; LORENTSSON, I.G.; MARSHAK, I.S.;
MESHKOV, V.V.; NILENDER, R.A.; PLOKHOTSKIY, Ye.S.; SOKOLOV, I.I.
SOUSTIN, V.F.; TSVETKOV, G.M.; YANI, A.K.

Viktor Nikolaevich Fomin, 1904-; on his 60th birthday. Svetotekhnika 10 no.11:30 N 164.

NIKOLAYEV, R.P.; ROMANOVA, A.F.; KONOVALOV, F.V.; ZHIDKOVA, A.V.

Influence of sulfurous anhydride on the preservation of ascorbic acid in dry dog rose. Trudy VNIVI 6:161-164 59. (MIRA 13:7)

1. Biokhimicheskaya laboratoriya Vsesoyuznogo nauchno-issledovatel'skogo vitaminnogo instituta i Shchelkovskiy vitaminnyy savod.

(ASCORBIG ACID) (SULFUR DIOXIDE)

NIKOLAYEV, R.P.; ROMANOVA, A.F.; ZHIDKOVA, A.V.; KONOVALOV, F.V.

Preservation of vitamin C in the purified fruit of the dog rose.

Trudy VNIVI 6:158-161 159. (MIRA 13:7)

1. Biokhimicheskaya laboratoriya Vsesoyuznogo nauchno-issledo-vatel'skogo vitaminnogo instituta i Shchelkovskiy vitaminnyy zavod.

(ASCORBIC ACID)

KONOVALOV

USSR / Cultivated Plants. Cereal Crops.

M-3

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Abs Jour

1 Ref Zhur - Biologiya, No 13, 1958, No. 58549

Author

Konovalov, F. Ye.

Inst

: Northern-Casetia Agricultural Institute

Title

: Corn Selection by the Number of Cobs on the Plant

Orig Pub

: Tr. Severo-Osetinsk. s.-kh. in-ta, 1956, 17, 121-132

Abstract

! A comparative study of corn seeds, selected from various hybrid populations, was carried out by the Northern-Ossetia agricultural institute in 1953. The yield of the majority of these was not less than that of the standard variety-double interlinear hybrid VIR - 37. The increase in the average number of cobs on a plant (in the range of 0.7-1.5) in a considerable number of families is not accompanied by a decrease in the average weight of cobs. Selection by double spadiceous plants

is recommended. -- G. N. Chernov

Card 1/1

42:

KHOTHLOV, N.N.; KONOVALOV, F.Ya.

Remote control of gate valves of tank batteries and petroleumrefinery pumps. Mash. i neft. obor. no.9:37-39 '63.

(MIRA 17:2)

1. Omskiy sektor Spetsial nogo konstruktorskogo byuro po avtomatike v neftepererabotke i neftekhimii.

CIA-RDP86-00513R000824320017-4" APPROVED FOR RELEASE: 06/19/2000

25(7)

SOV/117-59-7-25/28

AUTHOR:

Konovalov, G.

TITLE:

A Demonstration of the Creative Labor of the Soviet

People

PERIODICAL:

Mashinostroitel', 1959, Nr 7, p 45 (USSR)

ABSTRACT:

The article gives a description of an exhibition of the achievements of the national economy of the USSR, which was opened in Moscow on the 16th of June, 1959. The exhibition occupies 200 hectares and has 4 sections. In the general section there are 15 pavilions belonging to the separate Republics of the Union, the pavilion of the Moscow district, and 12 All-Union ones. In the section of "Industry and Transport" there are 18 pavilions, in the "Agricultural" section - 20, and 10 pavilions are in the "Building" section. In all, there are about 36 thousand exhibits. The metallurgical equipment includes a working model of a new agglomeration machine, the newest coking-chemical equipment, a working model of a unit for the vacuum pouring of steel. Of great interest is a working model of the automatic blooming mill

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SOV/117-59-7-25/28

A Demonstration of the Creative Labor of the Soviet People

"1150". Powder metallurgy is represented by a working model of the general cycle of production of metalceramic articles and other exhibits. In the field of foundry equipment the semi-automatic molding machine "91271" of the zavod "Krasnaya Presnya" ("Krasnaya Presnya" plant) is of interest. It can fill 120 molding boxes per hour. There is an all-purpose coremaking machine, for producing 360 cores per hour, and other machines. The "Uralmashzavod" is exhibiting a working model of a 12,000-ton hot hydraulic stamping press for stamping pipes and complex shapes. The Voronezhskiy zavod tyazhelykh pressov (Voronezh Heavy Press Plant) shows a welded 315-ton single-crank press. The Taganrogskiy zavod (Taganrog Plant) is showing the high-speed automatic press "A-840", the Odesskiy zavod (Odessa Plant) a 630-ton press for plastics. Among the machine tools there is the large horizontal boring machine "262PR"

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SOV/117-59-7-25/28

A Demonstration of the Creative Labor of the Soviet People

with program control, produced at the Leningradskiy zavod im. Sverdlova (Leningrad plant imeni Sverdlov) and the vertical six spindle automatic lathe "1272", made by the plant "Krasnyy Proletariy" ("Krasnyy Proletariy" plant), which received the "Grand Prix" award in Brussels. ENIMS is showing a high-productivity automatic balancing machine "9720" with electronic control. The Zavod im. Ordzhonikidze (Plant imeni Ordzhonikidze) is showing an automatic production line "MP - 107", consisting of two machines developed from the mass produced semi-automatic hydro-copying machine tools. For this line the plant was also awarded the "Grand Prix". The same award was received in Brussels by the zavod "Stankokonstruktsiya" ("Stankokonstruktsiya" plant) for its milling machines with program control and program setting by direct reading of the drawing or by the mathematical expression for the part to be machined. Of great interest is the complex automatic line for

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SOV/117-59-7-25/28

A Demonstration of the Creative Labor of the Soviet People

the production of bushings for the cutting mechanism of harvesting machines, developed by the NIITraktorsel'khozmash. This line can produce 28 million bushings per year and only four persons are needed to operate it. In the halls for the "new technology in machine building" the newest technology in welding is demonstrated, e.g. automatic electric arc welding under a layer of flux with the welding tractor "UT-2000" and a photographic observation system for directing the electrode along the seam, developed by TsNIITMASh. In the pavilion "Radioelectronika", with sound recorders replacing the excursion guides, there are television units for remote control of different industrial production processes; the computers are represented by the small "MN-M" unit, computing machines built using semiconductor devices, etc. The pavilion of the Ukrainskaya SSR demonstrates working models of the Diesel locomotive "TE-10" and of the rolling mill "2500".

Card 4/4

SOV/117-59-8-21/44

AUTHOR:

(

Konovalov, G.

TITLE:

A Youth Brigade of Communist Labor

PERIODICAL: Mashinostroitel, 1959, Nr 8, p 24 (USSR)

ABSTRACT:

The article tells the story of the first "brigade of Communist labor" at the Uralmashzavod, a team of 5 lathe operators with N. Tyulenev leading. The "commandments" of the team are included. They include mutual assistance, the use of thought in work, collective responsibility, using free time for education and books, respect to the old. The work obligations of the team are to fulfill the seven year plan in six years, to increase work efficiency by 60% by 1965, to attain a 200% fulfillment of the monthly quota of work by each member. The members of the chair of technology of machine building of the Ural'skiy politekhnicheskiy institut (Ural Polytechnical Institute) Professor S.I. Samoylov,

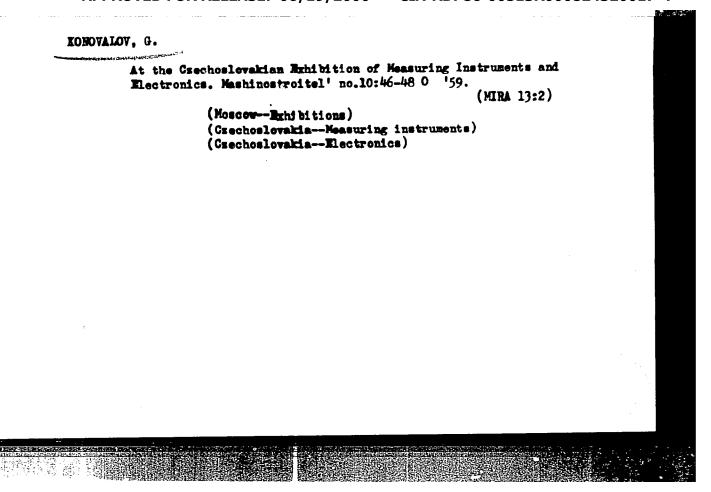
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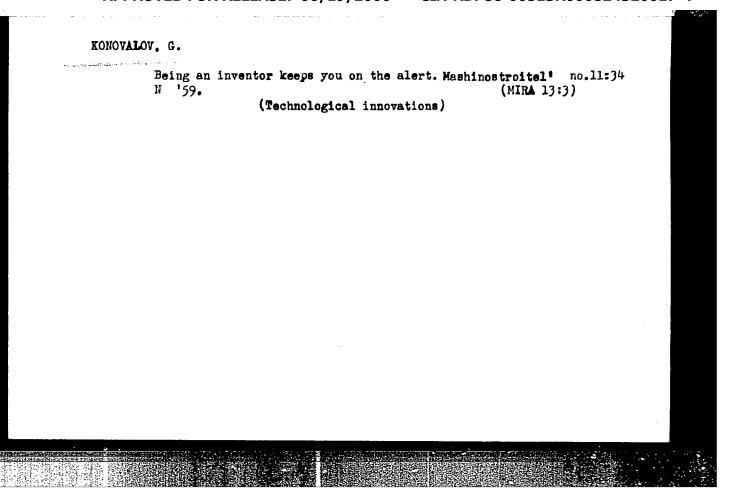
SOV/117-59-8-21/44

A Youth Brigade of Communist Labor

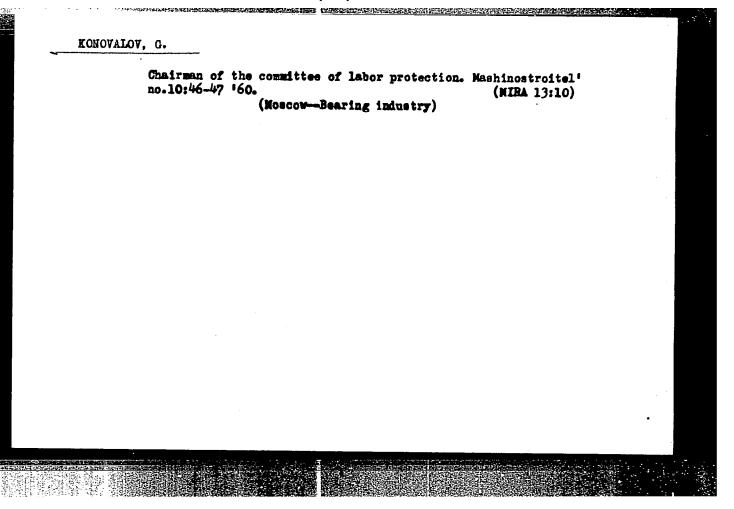
Docent A.A. Spiridonov and others undertook to give technical aid to the brigade, and to improve the qualifications of its members. Students of the Institute Samusevich, Vitebskiy and Filippov are helping members of the brigade in their studies.

Card 2/2





<	English plastics. Mashinostroital no.9:39-41 S '60. (MIRA 13:9)	
	(Mosco wExhibitions) (Great BritainFlastics)	



KONOVALOV, G.

Disseminate the experience of scientific technological societies ("Scientific and technological achievements in industry" by K.Stepanov). Reviewed by G. Knovalov.

Mashinostroitel' no.6:47 Je '61. (MIRA 14:6)

(Stepanov, K.)
(Technological immovations)

1-1110 1.1100

27784 S/117/61/000/010/008/008 A004/A101

AUTHORS:

Konovalov, G., Pigolev, S.

TITLE:

Industrial exhibition of the Leningrad Economic Rayon in Moscow

PERIODICAL: Mashinostroitel, no. 10, 1961, 42-45

At the industrial exhibition of the Leningrad Economic Rayon at the Moscow VDNKh some 700 exhibits, specimens of the production program of 150 Leningrad Sovnarkhoz plants, were shown. The authors present a survey on the achievements of the Leningrad plants and describe the following machine tools, new fixtures and devices which they consider to be of special interest: The ICNU (ISPSh) grinding machine is intended for the profile finish grinding of templets. punches, split dies, etc., with an accuracy of 0.01 mm. Grinding is effected with diamond or abrasive wheels at a rotation speed of up to 7,000 rpm. The modernized T-65 lathe is fitted with a small-size pneumatic clamping device for the instananeous clamping and unclamping of the parts being machined by compressed air. The clamping pressure produced is 120 kg. The 4 K WC-M (4KShS-M) jiggrinding machine is intended for the finish machining of profiled and circular holes in steel and sintered carbide parts. Machining is effected with diamond

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APPROVED FOR RELEASE: 06/19/2000

27784 S/117/61/000/010/008/008 A004/A101

Industrial exhibition of the Leningrad ...

wheels from 3 to 15 mm in diameter. The basic operation motions of the machine are mechanized. Interchangeable electric spindles make it possible to grind parts at rotation speeds in the range of 72,000 - 36,000 rpm. The programcontrolled 10326 (1P326) turret lathe is the modernized version of the 1P326 lathe of the Novocherkasskiy stankostroitel nyy zavod (Novocherkassk Machine Tool Plant). It is intended for the gang machining of parts from rods up to 25 mm in diameter and with a machining length of up to 140 mm. The following operations can be carried out in an automatic cycle; rough and finish profile turning, drilling, countersinking, reaming, cutting-off, facing, grooving and fluting. The operating feeds of the longitudinal and transverse slides are 0.05 0.1, 0.2 and 0.025, 0.05 and 0.1 mm/rev respectively. The ultrasonic 25 (2018) precision machine is used for the machining of sintered carbide dies with an . accuracy of up to 0.01 and a 9th class surface finish. Moreover, the machine can be used for the precision working of precious stones, ceramic glass, germanim, and other hard and brittle; materials. The machine capacity in working sintered carbides amounts to 700 mm³/hour. An interesting exhibit was a tong mechanism for the feeding of blanks into blanking dies. This appliance is mounted on the die face end within 2-3 minutes and ensures 20,000 - 30,000 blanks per hour. The vertical N3B-2 (IZV-2) optical device is intended for measurements of

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Industrial exhibition of the Leningrad ...

external linear dimensions of gages, thin sheet materials, films and other precision parts of mechanical engineering. The measuring tip of the device is set by a centering microscope. The electrophotographic 36KA-1 (EFKA-1) printer is intended for the automatic reproduction of drawings and typescripts in a 1 : 1 scale on any paper or tracing paper. The printer has a capacity of 300 copies per hour on 310 mm wide paper rolls, and is supplied with 220 v, 50 cps alternating current. The overall dimensions of the printer are 1,080 \times 540 \times 640 mm, it weighs 110 kg. The authors mention the names of the following Leningrad innovators: V. Ya. Karasev, V. N. Trutnev, I. D. Leonov, V. M. Biryukov, V. S. Semenov, N. N. Vasil'yev and M. A. Zaytsev; they describe a number of new tools and fixtures which were shown at the exhibition. Vibration-proof boring tools, a design of K. V. Lakur, prevent the warping of tool holders and the excessive infeed of tools in the metal. Turner V. N. Trutnev of the "Bol'shevik" Plant, the Deputy President of the City Council of Innovators, showed a new fixture for the machining of spherical surfaces, a ball-type mandrel to obtain a surface finish of the 8th-10th class and a special threading head with automatic tool retraction. Turner A. D. Chelnokov of the KINAP Plant exhibited the original design of a multipurpose mandrel with inertial flywheel which is to prevent the wedging of parts and reduces the non-cutting time by 70-80%. A cutting-off Card 3/4

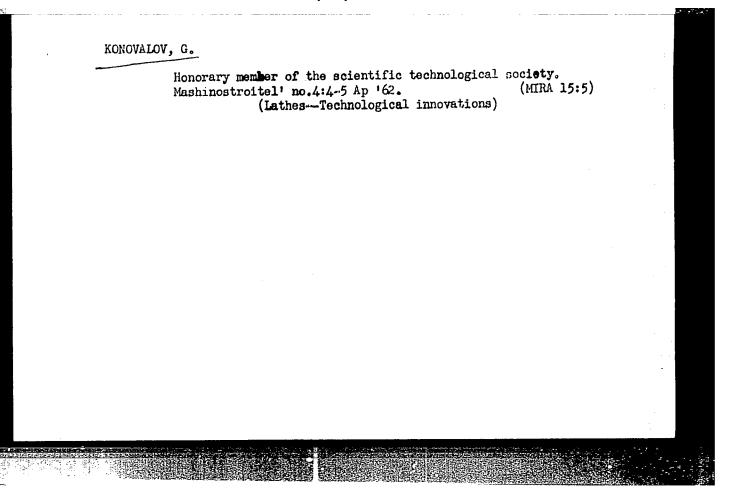
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S/117/61/000/010/008/008 A004/A101

Industrial exhibition of the Leningrad ...

milling cutter of miller I. D. Leonov of the Kirov Plant increases the labor productivity by a factor of 3 to 5. The cutter has a greatly reduced number of teeth which facilitates the chip removal. A bench grinder for the dressing of milling cutters has been developed by V. D. Volkov and D. P. Kolpakov and was shown at the exhibition. There are 12 figures.



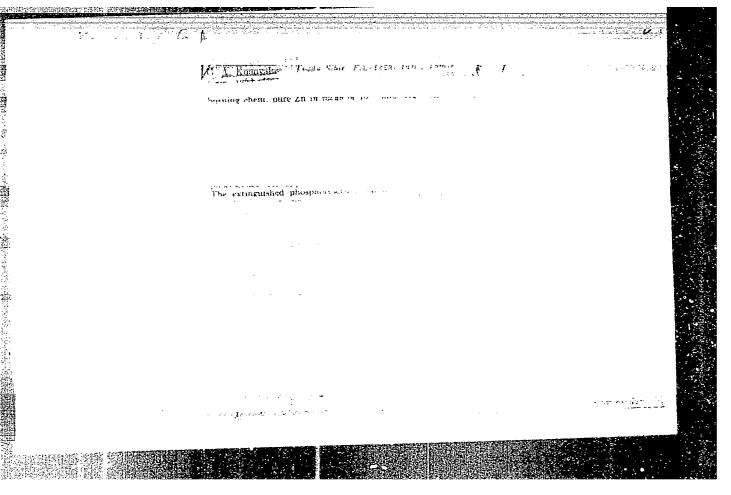
KONOVALOV, G.

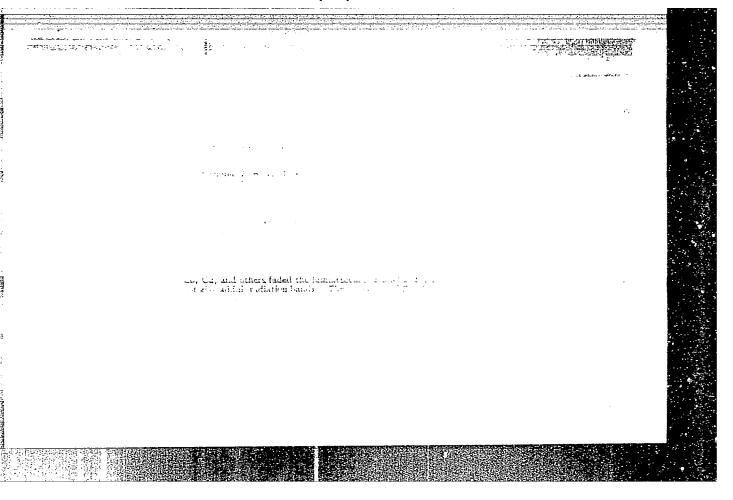
From the life of penguins. Inform. biul. Sov. antark. eksp. no.36:48-49 '62. (MIRA 16:4)

(Lasarev Station, Antarctica-Penguins)

activation for the process of recombination of free electrons with ionized centers. (ir-auth)

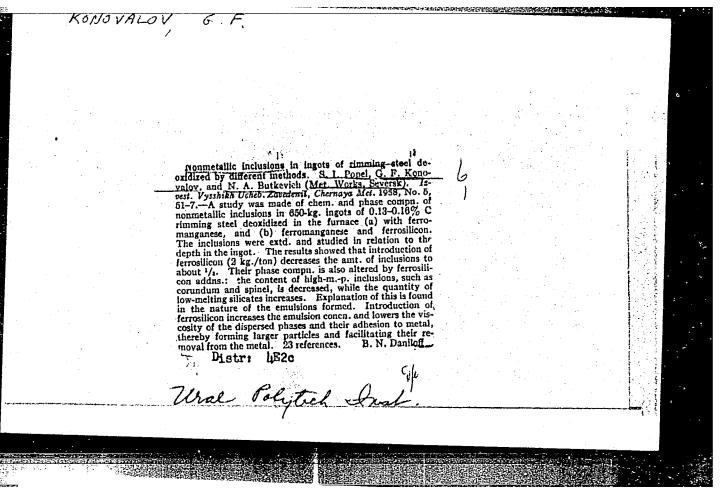
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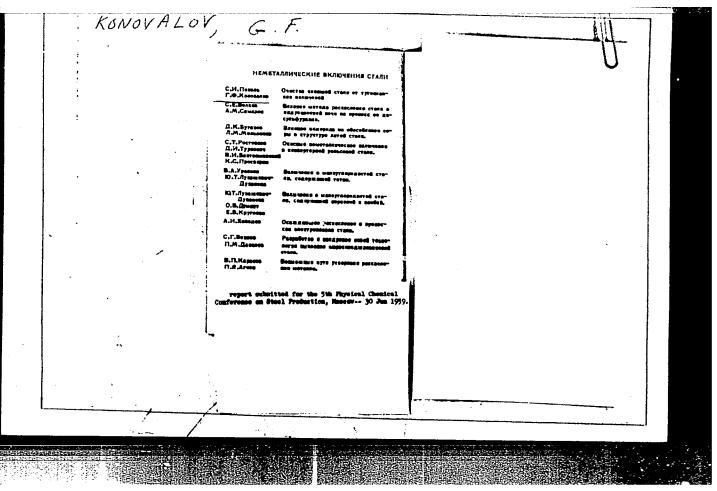
KONOVALOV, G.F., POPEL, S.I., YESIN, O.A.

"Surface Activity of Iron Oxide and Sulphur on the Boundary: Steel-Slag," lecture given at the Fourth Conference on Steelmaking, A..A. Baikov Institute of Metallurgy, Moscow, 1-6, 1957



Effect of nonmetallic inclusions on the weldability of sheet iron in pack rolling. Isv.vys.ucheb.zav.; chern.met. no.9:87-90
S '58. (MIRA 11:11)

1. Severskiy metallurgicheskiy savod. (Metals--Defects) (Rolling (Metalwork)) (Welding research)



POPEL', S.I., kand.tekhn.nauk, dots.; KONDVALOV, G.F., inzh.

Interfacial tension in low-carbon steel at boundaries with oxidation products. Izv.vys.ucheb.zav.; chern.met. 2 no.8; 3-7 Ag '59. (MIRA 13:4)

1. Ural'skiy politekhnicheskiy institut i Severskiy metallurgicheskiy savod. Rekomendovano kafedroy teorii metallurgicheskikh protsessov Ural'skogo politekhnicheskogo instituta. (Steel--Metallurgy) (Surface chemistry)

AUTHORS: Kovyryalov, I.P., Engineer; Popel', S.I., Candidate of Technical

cal Sciences; Konovalov, G.F., Engineer; Polzunov, A.M., En.

gineer

TITLE: The Effect or Deoxidation of Steel and its Treatment by Sodium

Silicate on the Percentage of Non-Metallic Inclusions

PERIODICAL: Stal:, 1960, No. 4, pp. 305 - 307

TEXT: At the Severskiy metallurgicheskiy zavod (Seversk Metallurgical Plant) the effect of deoxidation by ferromanganese and ferrosilicon, as well as the effect of a treatment with sodium silicate and a sand-scale mixture on the steel in the furnace were investigated. The steel tested had the following composition: C: 0.13 - 0.16%; Mn: 0.30 - 0.40%; Si: < 0.03%; P: < 0.050%; S: < 0.055%. Welting was carried out according to the scrap process, in a basic, black oil fired Siemens-Martin open-hearth furnace. To deoxidation ferromanganese and an addition of blast-furnace ferrosilicon were applied, while for the slagging of floating inclusions on the surface of the molten metal a sand-scale mixture (6%: 35%) was dispersed. The percentage of inclusions in the metal varied between 0.03 - 0.07% and of this

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The Effect of Deoxidation of Steel and its Treatment by Sodium Silicate on the Percentage of Non-Metallic Inclusions

percentage the high-melting components (corundum, spinel) were 70 - 90%, deteriorating the quality of steel. The analysis of the test showed that upon adding ferrosilicon the percentage of high-melting inclusions decreased by about 20 - 30%, whereas that of the silicate inclusions increased by about 30 - 50%, while the grain size of the glasslike inclusions also increased (up to 0.3 - 0.5 mm² and more). Thus, under the influence of deoxidation with ferromanganese and ferrosilicon the high-melting components could be slagged more efficiently. Tochinskiy and Perren (Ref. 6) applied low-melting silicates to the removal of inclusions and impurities from the steel. In the process described in the present paper low-melting sodium silicate powder (24.1% Na20 and 62.8% SiO2) was applied as fluxing agent which easily forms drops on account of its low surface tension at the gas zone (300 erg/cm²). Sodium silicate was a) either sprinkled on the metal surface in the ingot mold or b) it was added partly to the metal when tapped from the furnace, partly to the ladle when one third full and finally it was also put into the ingot mold. In both test

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The Effect of Deoxidation of Steel and its Treatment by Sodium Silicate on the Percentage of Non-Metallic Inclusions

series the metal was reduced in the furnace by ferromanganese only. 300 g of a mixture of 65% of sand and 35% of scale was added to one part of the ingot molds, whereas an equal amount of sodium silicate to the other ingot molds. In the slag samples taken from the castings treated without fluxing agents, 30 - 40% spinel, 15% ferric oxide, 10% silicate glass and up to 40% manganese orthosilicate were found. Table 1 shows that when adding sodium silicate to the ladle and to the ingot mold the total amount of inclusions is not affected, but their chemical composition is changed. SiO2 increased from 10 - 15% up to 48%, whereas the content of the high-melting components (manganese oxide and in many cases ferro-oxide content) decreased, sometimes magnesium and chrome oxide were even completely lacking. The amount of waste products was also reduced by this process. When milling strips from 139 tons of casting treated by sodium silicate, the waste products amounted to 1,329 kg, whereas the corresponding figure from an equal amount of castings treated by sand-scale mixture was 2,125 kg. The plastic properties of the steel also improved (relative elongation increased from 31.8 to 33.2%)

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The Effect of Deoxidation of Steel and its Treatment by Sodium Silicate on the Percentage of Non-Metallic Inclusions

and better results were obtained in the Ericsson test of sheets. The improvements can be put down to the fact that by the influence of the sodium silicate treatment the phase of the non-metallic inclusions was changed, the concentration of the high-melting inclusions decreased and their place was taken by plastic silicates (Ref. 2). The engineers V.N. Khorev, E.R. Rimm, N.I. Zelenyy, E.L. Mitropolitanskaya, R.B. Gel'man and V.L. Ogorodnikov took part in the work. Professor O.A. Yesin helped in the work.

ASSOCIATION: Severskiy metallurgicheskiy zavod (Seversk Metallurgical Plant) and Ural'skiy politekhnicheskiy institut (Ural Polytechnical Institute)

Card 4/4

KONOVALOV, G.F. 111 PHASE I BOOK EXPLOITATION SOV/5411 Konferentsiya po fiziko-khimicheskim osnovam proizvodstva stali. 5th, Moscow, 1959. Fiziko-khimicheskiye osnovy proizvodstva stali; trudy konferentsii (Physicochemical Bases of Steel Making; Transactions of the Fifth Conference on the Physicochemical Bases of Steelmaking) Moscow, Metallurgizdat, 1961. 512 p. Errata slip inserted. 3,700 copies printed. Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni A. A. Baykova. Responsible Ed.: A.M. Samarin, Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: Ya. D. Rozentsveyg. Tech. Ed.: V. V. Mikhaylova. Card 1/16

	Physicochemical Bases of (Cont.) SOV/5411	117		
·	PURPOSE: This collection of articles is intended for engineers and technicians of metallurgical and machine-building plants, senior students of schools of higher education, staff members of design bureaus and planning institutes, and scientific research workers.			
. .	COVERAGE: The collection contains reports presented at the fifth annual convention devoted to the review of the physicochemical bases of the steelmaking process. These reports deal with problems of the mechanism and kinetics of reactions taking place in the molten metal in steelmaking furnaces. The following are also discussed: problems in steelmaking furnaces. The following are also discussed: problems in steelmaking furnaces.		and the state of t	
•	the mechanism of solidification, and the converter from the results process. The articles contain conclusions drawn from the results of experimental studies, and are accompanied by references of which most are Soviet.		A factorial and the second	
	process. The articles contain the accompanied by references of which of experimental studies, and are accompanied by references of which		and the second s	

KONOVALOV, G.F.; POPEL', S.I.

Interphase tension at the boundary of steel, slag, and products of their deoxidation. Trudy Ural. politekh. inst. no.93173-79
'59.

(Steel--Metallography) (Surface chemistry)

POPEL', S.I.; DERYABIN, A.A.; KONOVALOV, G.F.

Effect of sodium oxide on the tension of a silicate melt at the boundary between gas and metal. Izv. vys. ucheb. zav.; chern. met. 5 no.8:5-8 '62. (MIRA 15:9)

l. Ural'skiy politekhnicheskiy institut.
(Flux (Metallurgy)) (Surface tension)

VOSTRYAKOV, A.A. (Sverdlovsk); VATOLIN, N.A. (Sverdlovsk); YESIN, O.A. (Sverdlovsk); KONOVALOV, G.F. (Sverdlovsk)

Electromagnetic separation of FeSn₂ crystals from liquid tin.

Izv. AN SSSR. Met. no.6:58-61 N-D '65. (MIRA 19:1)

1. Submitted June 3, 1964.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824320017-4"

ACC NRI

AP6021768

SOURCE CODE: UR/0413/66/000/012/0021/0022

INVENTOR:

Konovalov, G. F.

ORG: None

TITLE: A die for drawing parts with inclined walls from sheet material. Class 7,

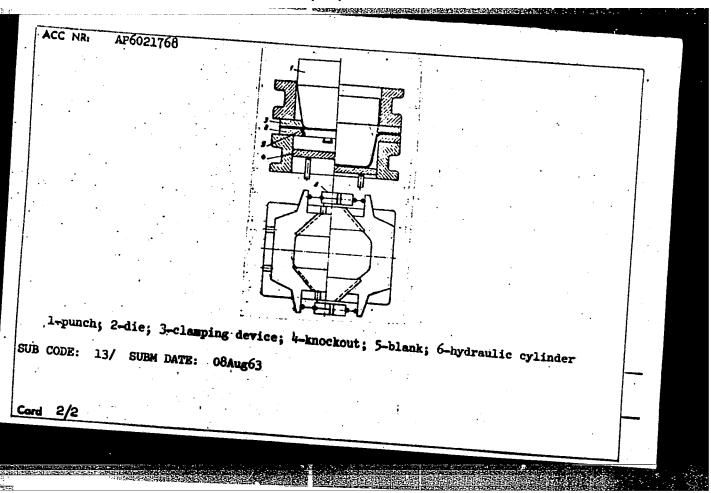
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 21-22

TOPIC TAGS: sheet metal, metal drawing, die, hydraulic device

ABSTRACT: This Author's Certificate introduces a die for drawing parts with inclined walls from sheet material. This unit consists of a punch, die and clamping device. High quality finished products are made in one operation by making both the die and the clamping device in sections which move apart in a radial direction under the effect of the loaded punch. The sections are returned to their original position by hydraulic cylinders placed within the die and connected with the die sections.

Card. 1/2

IDC: 621.983.32



KOZHEVIN, V.G., nachal'nik; INOXEMISEV, P.P., nachal'nik; BELEVISEV, T.M., upravlyayushchiy; GARYAXEV, V.V., upravlyayushchiy; GRACHEV, L.I., upralyayushchiy; GILLER, A.I., nachal'nik; GUBIN, N.I., GIZVINY IMPRENEY.

The Soviet miners honor Miners! Day with new industrial victories.

Ugol' 28 no.8:5-15 Ag '53. (MLRA 6:7)

1. Kombinat Kuzbassugol' (for Kozhevin). 2. Kombinat Karagandaugol' (for Inozemtsev). 3. Trest Stalinugol' (for Belevtsev). 4. Trest Kalininugol' (for Gryasev). 5. Trest Molotovugol' (for Grachev). 6. Trest Shchekinugol' (for Konovalov). 7. Shakhtoupravlenie No.9/12 tresta Shchekinugol' (for Giller). 8. Shakhta No.34 tresta Krasnoarmeyskugol' (for Gubin). (Coal mines and mining)

KONOVALOV, G.I., inzh.; KONOVALOVA, N.A., inzh.

Expansion of railroad transportation in the German Democratic Republic. Zhel.dor.transp. 42 no.4:89-92 Ap *60.

(Germany, Bast-Bailroads)

KONOVALOV, G. Minxhener-mekhanik-nastavnik.

Modernizing the lubrication system for main steamship engines of the free-accession type. Mor.flot 15 no.12:14-15 D '55.(MLRA 9:3)

1. Ministerstva morekogo flota.

(Marine engines) (Lubrication and lubricants)

Kharkov works. Teploenergetika 7 no.3:73-80 Mr '60.

(MIRA 13:5)

1. Gosudarstvennyy trest po organizatsii i ratsionalizatsii elektrostantsiy i Dneproenergo.

(Steam turbines)

¥.

S/096/62/000/006/006/011 E194/E454

AUTHORS:

Kirsh, A.K., Engineer, Konovalov, G.M., Engineer

TITLE:

Determination of the efficiency of individual groups

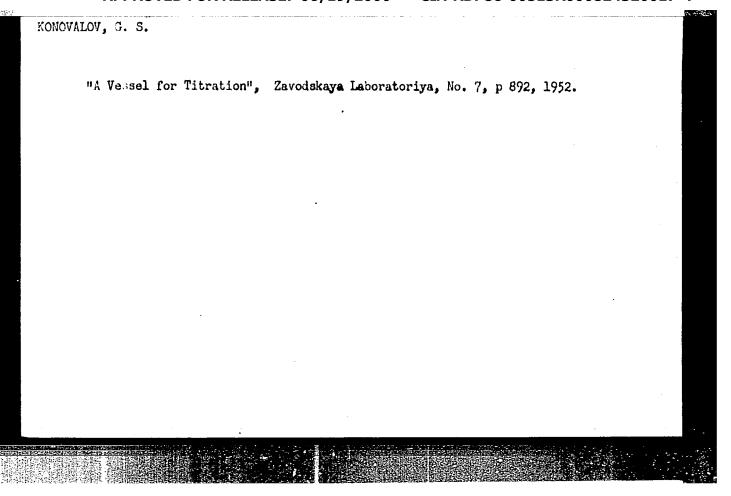
of stages when testing steam turbines

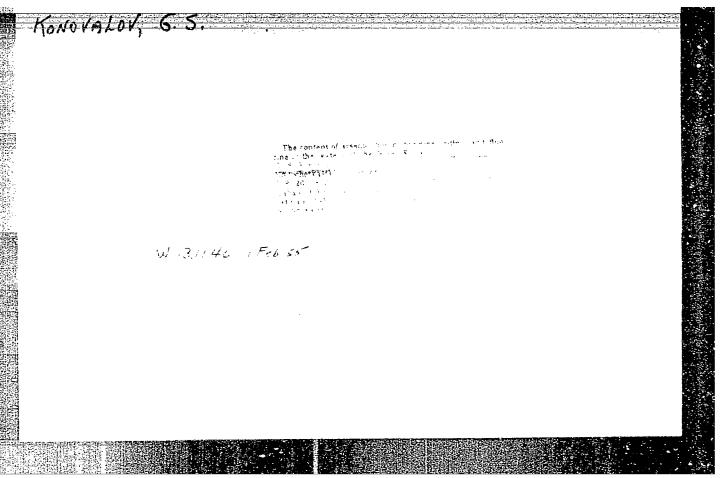
PERIODICAL: Teploenergetika, no.6, 1962, 35-37

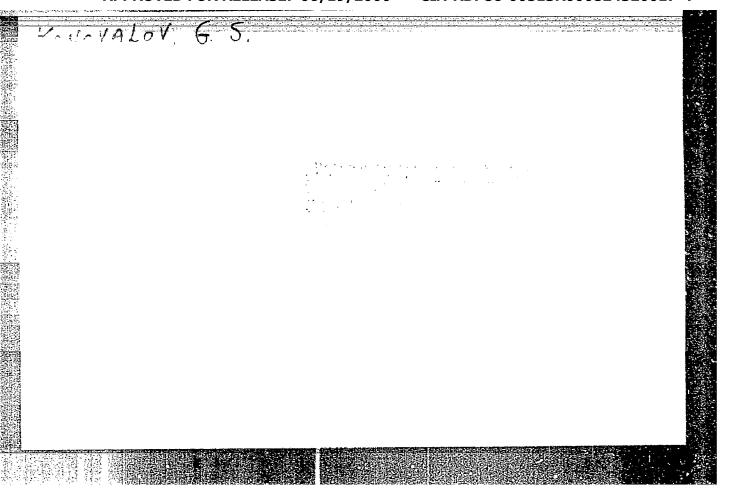
In determining the efficiency of individual cylinders or TEXT: of groups of stages of steam turbines it is easy enough to measure pressures at bleed or tapping points but temperature measurements are more difficult partly because the steam flow is not uniform. To determine true steam temperatures many thermometer pockets are required and all regulating valves must be fully open to avoid temperature drops. Thermometer pockets are commonly inserted in steam tapping lines 1 to 2 m from the turbine casing but special tests have shown that efficiencies determined from temperatures so measured were systematically in error because the temperature in the line beyond the tapping point is higher than that immediately beyond the stage, mainly because of steam that leaks through the radial clearance round the shrouding which is nearly at the temperature of stage inlet Card 1/2

Pump for obtaining water samples for chemical tests. Energetik
10 no.1:11-14 Ja 162. (MIRA 14:12)

(Water-Analysis)







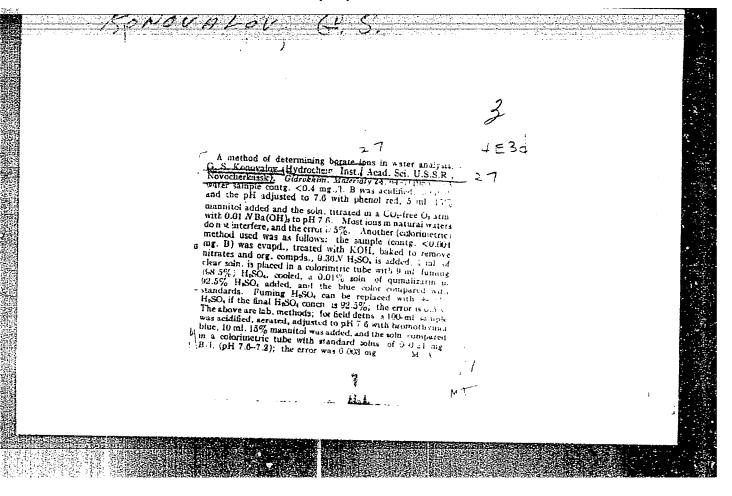
ALEKIN, O.A., professor; KRYUKOV, P.A., kandidat khimicheskikh nauk; KONOVALOV, G.S., kandidat khimicheskikh nauk.

Conference on hydrochemistry and discussion of problems concerning the composition of natural waters. Vest.AN SSSR 23 no.9:82-84 S '53. (MIRA 6:10) (Water--Analysis)

KONOVALOV, G.S.

Colorimetric determination of pH in natural waters. Gidrokhim.
mat. 24:18-19 '55. (MIRA 9:4)

1.Gidrokhimicheskiy institut Akademii nauk SSSR, g.Novocherkassk. (Water, Underground) (Water--Analysis)



ECHOVALOV, G.S.

Determination of boron in natural waters by means of direct titration. Gidrokhim.mat.25:224-236 '55. (MIRA 9:6)

1.Gidrokhimicheskiy institut Akademii nauk SSSR, Movocherkassk. (Water-Analysis) (Boron)